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Patient Management Problems Cost Analysis for Essentials of General Surgery

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**PATIENT MANAGEMENT PROBLEMS
COST ANALYSIS
for**

***ESSENTIALS OF GENERAL SURGERY,*
2nd EDITION
by**

PETER F. LAWRENCE, M.D.

Submitted by Alyson D. Buckner in partial fulfillment of requirements for the
Tennessee Scholars Program of the University of Tennessee, Knoxville.

PMP #1, p. 6-75

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Plain and upright x-rays of abdomen	\$ 159.00
Chest x-ray	94.00
CBC	34.50
Amylase	34.50
Lipase	32.50
Chem 7	40.50
BUN and creatinine	40.50
Urine specific gravity and osmolarity	38.50
Upper GI series	176.00
Oral cholecystogram	224.50
Upper endoscopy	488.50
Compazine (10 mg, IM)	0.96
Fortaz (IV, ten days)	112.60
Normal saline (per liter)	32.00
Normal saline with KCL (per liter)	32.00
Normal saline with KCL (per liter)	32.00
D5/W or D5/NS (per liter)	32.00
Initiation of TPN	
Central venous line	129.00
TPN solution (per liter)	79.00
Pump (per day)	27.00

PMP #2, p. 6-81

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Heart monitor	\$ 48.50
Insulin (50 U)	2.97
Ammonia	45.00
Calgluconate (10%, 10 mL vial)	0.20
ABG	84.00
Magnesium	39.00

Calcium	21.50
Phosphorous	22.50
Glucose, blood	26.50
Glucose, urine	25.00
Chem 7	40.50
Ammonia	45.00
CBC	34.50
Occult blood, stool and NG aspirate	38.00
Chem 13, Magnesium	79.50
ABG	84.00
Septic work-up	
Blood, urine, and wound cultures	177.50
Chest x-ray	94.00
CBC	34.50
Cerebral perfusion scan	174.50
EEG	159.00
CT of head	659.50

PMP #3, p. 6-86

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Foley catheter	\$ 44.50
Initiation of TPN	
Central venous line, x-ray	129.00
TPN solution (per liter)	79.00
Pump (per day)	27.00
Initiation of enteral feeding	
NG tube, x-ray	88.00
Enteral formula (per can)	3.30
Pump (per day)	25.00
Chem 7	40.50
ABG	84.00
IV fluids (per liter)	32.00
CBC	34.50
Amylase	34.50
Lipase	32.50
Biliary fluid electrolytes	45.00

Liver function tests, Mg^{2+} , PO_4^{3-} , Ca^{2+}	91.50
Serum osmolality	24.50
IV fluids (per liter)	32.00
IV fluids (per liter)	32.00
IV fluids (per liter)	32.00
IV fluids (per liter)	32.00
IV fluids (per liter)	32.00
IV fluids (per liter)	32.00
1 L D5/.2 NS	32.00
1 L NS or RL	32.00
1 L 3% NaCl	32.00

PMP #?, p. 7-55

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Alkaline phosphatase	\$ 27.00
Albumin	21.50
Protein bound I_2	Not available
Thyroid binding pre-albumin	47.00
Creatinine	27.00
NG tube	100.00
Feeding jejunostomy	3000.00-3200.00
Central venous line	129.00
3 L TPN solution	237.00
3 L TPN solution	237.00
Enteral formula (per can)	3.30

PMP #1, p. 8-27

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
Foley catheter	44.50
Demerol (75 mg)	0.37

Operation for intra-abdominal bleeding	2200.00-2500.00
2 units RBCs	169.00
Hemoglobin, urine	17.00
Free plasma hemoglobin	38.50
Type, cross, and Coomb's test	81.50
Culture and sensitivity of transfused and patients blood	143.00
Urine and sputum cultures	106.00
PT/PTT	40.00
Plasma fibrinogen	51.00
Fibrin split products	30.00
Chem 7 (includes creatinine)	40.50
Platelet count	15.00
RL (per liter)	32.00
Sodium bicarbonate (8.4%, 50 mL injectable)	1.22
Mannitol (25%, 50 mL vial)	0.47
Rectal aspirin suppository	0.08
Rectal acetaminophen suppository	0.16
2 units FFP	169.00
Vitamin K (20 mg, IM)	3.12
CBC	34.50
2 units RBCs	169.00
Re-open skin and subcutaneous tissue	14.50
2 units platelets	169.00
Cryoprecipitate	84.50
Conyne	Not available (I could not locate this in the PDR or on my price lists. I also asked a surgery resident and an internal medicine resident about it, and they had no clue as to what it was.)
Heparin	
1000U, IV	2.52
Drip	29.85

PMP #2, p. 8-34

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
Chem 7	40.50
Chest x-ray	94.00
PT/PTT	40.00
UA	21.50
BUN and glucose	40.50
Hospital room (per day)	260.00
EKG	65.50
Re-operation for bleeding	2200.00-2500.00
Plasma fibrinogen	51.00
Fibrin split products	30.00
Type and crossmatch for 2 units packed RBCs	43.45
Type and crossmatch for 2 units FFP	43.50
CBC	34.50
Platelet count	15.00
Re-explore abdomen	2200.00-2500.00
2 units FFP	169.00
20 mg Vitamin K IM	0.00
2 units packed RBCs	169.00
Platelet aggregation	70.00
CBC	34.50
2 units packed RBCs	169.00
10 units platelets	845.00
CBC	34.50
Liver scan	247.00
Swan-Ganz catheter	203.50
Re-explore abdomen	2200.00-2500.00
20 mg Vitamin K IM	3.12
Serum hemoglobin	38.50

PMP #1, p. 9-47

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
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Nasotracheal intubation and ventilation	\$ 77.00
Ventilator (per day)	75.50
Establishment of 2 IVs (including fluids)	77.00
Subclavian line	151.50
Foley catheter	44.50
Lateral C-spine x-ray	79.50
NG tube	28.00
Neosynephrine drip	31.13
Dopamine drip	27.89
Peritoneal lavage	128.50
Chest x-ray	94.00
Cerebral arteriography	1317.00
Norepinephrine drip	28.39
1 L RL	32.00
IV fluids	64.00
Mannitol (25%, 50 mL vial)	0.47

PMP #2, p. 9-50

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Swan-Ganz catheter	\$ 203.50
EKG	65.50
Chest x-ray	94.00
Urine specific gravity	12.00
CVP line	151.50
BUN and creatinine	40.50
ABG	84.00
Serum hemoglobin	38.50
Furosemide (100 mg IV)	0.60
RL (per liter)	32.00
RL (per liter)	32.00
Chest x-ray	94.00
EKG	65.50
Myocardial enzymes	81.00
ABG	84.00
Phenylephrine drip	31.13
Exploratory laparotomy	2200.00-2500.00

Pericardiocentesis	60.00
Norepinephrine drip	28.39
Dopamine drip	27.89
Nitroglycerine drip	28.20
Dobutamine drip	59.15

PMP #3, p. 9-53

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Chest x-ray	\$ 94.00
Establishment of 2 IVs (including fluids)	77.00
Type and cross match for 4 units blood	43.50
ABG	84.00
2 L RL	64.00
EKG	65.50
Norepinephrine	
4 mL, 1 mg/mL injectable	3.26
Drip	28.39
Chest x-ray	94.00
ABG	84.00
EKG	65.50
2 L Lactated Ringer's	64.00
Norepinephrine	
4 mL, 1 mg/mL injectable	3.26
Drip	28.39
Dopamine	
400 mg/5 mL injectable	0.29
Drip	27.89
Pericardiocentesis	60.00
Thoracostomy	218.00

PMP #4, p. 9-55

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
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NG tube	\$	28.00
Establishment of 2 IVs (including fluids)		77.00
ABG		84.00
Dopamine drip		27.89
Foley catheter		44.50
CBC, Chem 7, amylase		109.50
Establishment of 2 IVs, 2L RL		77.00
Establishment of 2 IVs, 4 L RL		141.00
CVP catheter		151.50
UA and gram stain		48.50
2 amps sodium bicarbonate		2.44
Blood and urine cultures		134.00
Exploratory laparotomy		2200.00-2500.00
Nasal O ₂		43.30
Triple IV antibiotics (4 days)		81.51
2 L RL		64.00
Dobutamine drip		59.15
Intubation		77.00
Peritoneal lavage		128.50
Upper GI series		176.00
ABG		84.00
RL (per liter)		32.00
Chest and abdominal x-rays		253.50
Pulmonary artery catheter		203.50
Upper GI series		176.00
Exploratory laparotomy, sigmoid resection, and colostomy		6600.00-8200.00
Surgical Intensive Care Unit (per day)		785.00
Barium enema		181.50
IV fluids (per liter) and triple IV antibiotics (4 days)		32.00 and 81.51, respectively

PMP #5, p. 9-59

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Intensive Care Unit (per day)	\$ 785.00

Establishment of 2 IVs (including fluids)	77.00
ABG	84.00
CVP catheter	151.50
NG tube	28.00
Blood cultures	71.50
Dopamine	27.89
Urine culture and gram stain	53.00
Intubation and ventilation	77.00
Ventilator (per day)	75.50
O ₂ by mask	43.30
Pulmonary artery catheter	203.50
2 L RL	64.00
Dopamine drip	27.89
2 mg digoxin IV	3.52
Epinephrine drip	28.39
Methylprednisolone	14.90
IV ampicillin and tobramycin (4 days)	98.60
RL (per liter)	32.00
40 mg Lasix, IV	0.20
Dobutamine drip	59.15

PMP #1, p. 10-37

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Closure of wound	\$ 72.00
Irrigation with saline	41.50
Closure of wound over Penrose drain	77.50
Closure of wound with mattress and retention sutures	72.00
Closure of fascia and skin	78.00
10 mg Valium, IM or IV	2.97
Tetanus toxoid	1.24
Keflex (10 days)	64.80
Ancef, 1 g IV	2.02
Thyroid function tests	60.00
Glucose tolerance test (4 hour)	46.00

IV Ancef (per day)	8.08
CBC	34.50
Suture removal kit	9.50
Wound culture	65.50
IV Ancef (per day)	8.08
Keflex (10 days)	64.80
Closure over penrose drains	89.00
Closure after culture	137.50
Re-excision of wound in OR	1600.00-1800.00

PMP #2, p. 10-41

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Penicillin (10 days)	\$ 2.10
X-ray of hand	57.50
Triple IV antibiotics (2 days)	35.79
Topical antimicrobial agents (Neosporin)	1.06
Closure of wound	78.00
Irrigation	41.50
Continued triple IV antibiotics (per day)	16.58
Penicillin (10 days)	2.10
Closure over Penrose drain	83.50
Closed reduction of metacarpal fracture (10 mg Valium and x- ray)	60.47
Open reduction of metacarpal fracture	2200.00-2500.00

PMP #1, p. 12-52

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Pelvic ultrasound	\$ 124.50
Chest x-ray	94.00

Abdominal x-rays	159.50
EKG	65.50
IVP	338.00
Urine culture	53.00
Oral cholecystogram	224.50
CT of abdomen	659.50
Sigmoidoscopy	253.50
Beta HCG	41.00
Gonorrhea and chlamydia culture	65.50
Pelvic laparoscopy	1800.00-2000.00
IV Ancef (per day)	8.08
Pelvic culdocentesis	13.00
KUB	224.00
Blood cultures	71.50
Staple remover	14.50
UA	21.50
Culture and gram stain of urine	53.00
Chest x-ray	94.00
WBC count	15.00
Pelvic ultrasound	124.50
CT of abdomen	659.50
Barium enema	181.50
IV Ancef (per day)	8.08
IV Gentamycin (per day)	1.08
IV Clindamycin (per day)	25.68
IV Methicillin (per day)	14.10
Change IV site	6.50
Additional antibiotics (IV Flagyl; per day)	10.52
Percutaneous catheter drainage (CT guidance)	555.00
Exploration of abdomen	2200.00-2500.00
Drain abscess	22.00

PMP #2, p. 12-57

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Chest tube	\$ 218.00

Type and crossmatch for 2 units packed RBCs	43.50
Peritoneal lavage	128.50
Orthopedic consultation	100.00
IV Ancef (per day)	8.08
Clean, debride, and close wound	119.50
EKG	65.50
Change IV site (per IV)	6.50
CT of abdomen	659.50
NG tube and Foley catheter	72.50
Tetanus toxoid	1.24
Cardiac enzymes (3 times)	243.00
Chest x-ray	94.00
X-ray of right femur	117.00
CT of abdomen	659.50
Urine culture	53.00
CBC	34.50
Blood cultures	71.50
Aspiration and exploration of phlebitic vein	1600.00-1800.00
Venogram of right leg	517.50
Lung perfusion scan	329.00
IV Ancef (per day)	8.08
Continued antibiotics	8.08
Excision of infected area	1600.00-1800.00
Proximal ligation of basilic vein	1600.00-1800.00
Excision of infected vein	1600.00-1800.00
Irrigation of vein with antibiotic	1600.00-1800.00
Topical sulfamylon	7.93
Neosporin ointment	1.06
Orthopedic consultation	100.00

PMP #3, p. 12-62

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
RL (per liter)	\$ 32.00
Chest tube	218.00
Type and crossmatch for 2 units packed RBCs	43.50

NG tube	28.00
IV Ancef (per day)	8.08
EKG	65.50
Barium enema	181.50
IVP	338.00
CT of abdomen	659.50
Peritoneal lavage	128.50
Sinogram of entrance wound	208.50
Blood cultures	71.50
ABG	84.00
Chest x-ray	94.00
Supine and upright abdominal x-rays	159.50
Abdominal ultrasound	317.50
CT of abdomen	659.50
Gallium scan	492.50
Liver-spleen scan	247.00
IVP and barium enema	519.50
UA and CBC	66.00
Urine culture	53.00
Lung perfusion scan	329.00
Sputum culture	53.00
Triple IV antibiotics (4 days)	81.50
Liver biopsy	187.50
Heparin drip	29.85
NG decompression	28.00
Explore abdomen	2200.00-2500.00
Open and debride wound	56.00
Catheter drainage with CT guidance	555.00
Operative closure of colostomy	2700.00-3700.00

PMP #4, p. 12-68

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Blood cultures	\$ 71.50
IV penicillin and Cefotetan (per day)	35.15
Urine cultures	53.00

Tracheal aspirate culture	53.00
Open lung biopsy	2700.00-3000.00
Oral cholecystogram	224.50
Serum CMV titers	41.00
Liver enzymes	25.00
Buffy coat for CMV culture	81.00
IVP	338.00
Renal scan	247.50
Ultrasound of kidney	143.50
Liver biopsy	187.50
Kidney biopsy	747.00
Bone marrow aspiration	243.50
T-cell analysis/OKT4/OKT8 (T-helper/T-suppressor cytotoxic ratio)	303.00
CBC	34.50
ABG	84.00
Tracheal aspirate culture	53.00
Pulmonary angiogram	1053.50
Swan-Ganz catheter	203.50
Open lung biopsy	2700.00-3000.00
EKG	65.50
Serum CMV titers	41.00
Renal scan	247.50
Renal biopsy	747.00
Lower extremity venogram	692.00
T-cell analysis	303.00
IV Amikacin (per day)	57.22
IV Amphotericin B (per day)	7.60
IV Trimethoprim-sulfamethoxazole (per day)	11.88
Heparin drip	29.85
Nephrectomy	4000.00-4300.00

PMP #1, p. 13-78

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Chest x-ray	\$ 94.00
C-spine films	49.00

UA	21.50
IV fluids (per liter)	32.00
CBC	34.50
Flat and upright abdominal x-rays	159.50
Chem 7	40.50
Foley catheter	44.50
NG tube	28.00
Amylase	34.50
Bilirubin	53.50
Type and crossmatch for 4 units whole blood	43.50
2 units whole blood	169.00
EKG	65.50
Hematocrit	19.50
CT of abdomen	659.50
Peritoneal lavage	128.50
IV fluids (per liter)	32.00
Observation in hospital (per day)	260.00
IVP and cystogram	564.50
Urological surgery consult	100.00
Renal angiogram	1243.50
Renal scan	247.50
Celiotomy; repair of ruptured spleen and kidney	5000.00-5200.00
Observation in hospital	260.00
75 mg Demerol (per dose)	0.37

PMP #2, p. 13-82

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Chest x-ray	\$ 94.00
Needle thoracostomy	16.50
Chest tube	218.00
IV fluids (per liter)	32.00
Pericardiocentesis	60.00
Intubation	77.00
CBC	34.50
Chem 7	40.50

Amylase	34.50
Bilirubin	53.50
Type and crossmatch for 4 units packed RBCs	43.50
Chest x-ray	94.00
EKG	65.50
ABG	84.00
UA	21.50
Abdominal x-rays	159.50
NG tube	28.00
C-spine films	49.00
Thoracotomy	3300.00-3600.00
Upright chest film	72.00
Pericardiocentesis	60.00
Intubation and ventilation	77.00
Ventilator (per day)	75.50
Thoracotomy	3300.00-3600.00
CT of chest	659.59
Aortogram	1053.50
Echocardiography	324.00
Thoracotomy	4900.00-5300.00
Placement of second chest tube	218.00
Obervation in Intensive Care Unit (per day)	785.00

PMP #1, p. 14-40

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
IVP	\$ 338.00
Aspiration and culture of mass	53.00
Barium enema	181.50
CBC	34.50
Upper GI series	176.00
Scrotal x-ray	60.00
Testicular biopsy	100.00
Arteriogram	894.50
Surgical repair	2300.00-2500.00
Herniogram and surgical repair	2400.00-2600.00

PMP #1, p. 14-45

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Occult blood, stool	\$ 19.00
Surgical repair of umbilicus	1800.00-2000.00

PMP #1, p. 15-28

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Antacids (per month)	\$ 10.00-20.00
Esophageal dilation	232.50
Upper GI series	181.50
Esophagoscopy	482.50
Esophageal manometry	517.50
Esophageal biopsy	529.50
Gastrectomy	6500.00-8300.00
Radiotherapy (5000 rads)	2875.00
Esophagogastrectomy	6500.00-8300.00
Nissen fundoplication	3600.00-4500.00
Percutaneous liver biopsy	187.50
Esophagectomy with colonic interposition	5500.00-7000.00
Upper GI series	176.00
CT of chest and abdomen	1182.50
Esophagoscopy	482.50
PTCA	578.00
Retrograde cholangiogram	556.50

PMP #2, p. 15-32

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
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CBC	\$ 34.50
Ultrasound of biliary tree	129.50
Gastroduodenoscopy	482.50
Barium enema	181.50
CT of abdomen	659.50
Occult blood, stool	19.00
Esophageal manometry	517.50
Bronchoscopy	332.00
Bernstein acid reflux test	105.00
Cholecystectomy	3300.00-3600.00
Antacids and cimetidine (per month)	115.00
Nissen fundoplication	3600.00-4500.00
Nissen fundoplication with proximal gastric vagotomy	3600.00-4500.00
Transhepatic cholangiogram	578.00
Ultrasound of biliary tree	129.50
CBC	34.50
Occult blood, stool	19.00
Barium enema	181.50
Upper GI series	176.00
Esophagoscopy and gastroduodenoscopy	554.50
Esophageal manometry	517.50
Bernstein acid infusion test	105.00
24 hour esophageal pH monitoring	350.00
Esophagogastrectomy	6500.00-8300.00
Antrectomy with Billroth I anastomosis	4000.00-5000.00

PMP #1, p. 16-60

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
UA	21.50
Chem 7	40.50
Amylase	34.50
Liver function tests	25.00

Chest x-ray	94.00
Abdominal x-rays	159.50
Ultrasound of gall bladder and bile ducts	129.50
Ultrasound of abdominal aorta	108.00
Liver-spleen scan	247.00
Hepatobiliary (HIDA) scan	410.50
IVP	338.00
Barium enema	181.50
Upper GI series	176.00
EKG	65.50
Esophageal motility studies	517.50
Colonoscopy	589.50
ERCP	556.50
Esophagogastroduodenoscopy	554.50
Cystoscopy with retrograde ureteropyelogram	1700.00-1900.00
Celiac and superior mesenteric arteriogram	1053.50
Antireflux operation	3600.00-4500.00
Partial colectomy	5000.00-6500.00
Nephrectomy	4000.00-4300.00
Distal subtotal gastrectomy	6500.00-8300.00
Gastroenterostomy	5000.00-6000.00
Pancreaticoduodenectomy	7000.00-8500.00
Cholecystectomy	3300.00-3600.00
Aorta-superior mesenteric bypass	4200.00-4600.00

PMP #2, p. 16-67

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
Oral cholecystogram	224.50
Upper GI series	176.00
CT of abdomen	659.50
Esophagogastroduodenoscopy	482.50
ERCP	556.50
Barium enema	181.50

Chem 7	40.50
Liver function tests	25.00
UA	21.50
BUN	22.50
IVP	338.00
Chest x-ray	94.00
Occult blood, stool	19.00
Oral cimetidine (per month)	91.20
Antacids (per month)	10.00-20.00
Vagotomy and antrectomy	4000.00-5000.00
Vagotomy and pyloroplasty	4000.00-5000.00
Nissen fundoplication	3600.00-4500.00
CBC	34.50
Upper GI series	176.00
Esophagogastroduodenoscopy	554.50
Occult blood, stool	19.00
Ultrasound of gall bladder	129.50
IVP	338.00
ERCP	556.50
Fasting serum gastrin (3 times)	231.00
IV secretin injection test	287.90
Gastric analysis	62.50
Selective arteriography of pancreas	1002.50
Increase cimetidine (per month)	182.40
Exploratory laparotomy with tumor resection	5000.00-6000.00
Total gastrectomy	6500.00-8300.00
Proximal gastric vagotomy	3500.00-4000.00
Total pancreatectomy	5000.00-5500.00

PMP #3, p. 16-74

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Chem 7	\$ 40.50
CBC	34.50
Amylase	34.50
Liver function tests	25.00
Blood cultures	71.50

X-rays of chest and abdomen	253.50
NG tube	28.00
CVP catheter	151.50
Foley catheter	44.50
Swan-Ganz catheter	203.50
5% Dextrose in .45% NS (per liter)	32.00
0.9% NS (per liter)	32.00
Ultrasound of abdomen	317.50
Peritoneal lavage	128.50
BUN and creatinine	40.50
Serum gastrin	77.00
Initiation of TPN	
Central venous line, x-ray	129.00
TPN solution (per liter)	79.00
Pump (per day)	27.00
CT of abdomen	659.50
Exploratory laparotomy	2200.00-2500.00
Upper GI series	176.50
Chem 7	40.50
Upper GI endoscopy	488.50
Vagotomy and pyloroplasty	4000.00-5000.00
Parietal cell vagotomy	3500.00-4000.00
Truncal vagotomy, antrectomy, and Billroth II anastomosis	4000.00-5000.00
Cholecystectomy with liver biopsy	3500.00-3900.00
Distal pancreatectomy and drainage of lesser sac abscess	5000.00-5500.00
Increase cimetidine (per month)	182.40
Upper GI endoscopy	488.50
TPN solution (per liter)	79.00
Re-exploration and revision of anastomosis	4000.00-5000.00
Gastric emptying scan	273.50
IV Reglan (per day)	6.50

PMP #1, p. 17-62

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
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CBC	\$ 34.50
UA	21.50
Chest x-ray	94.00
Abdominal films	159.50
Barium enema	181.50
Upper GI series	186.00
IV fluids (per liter)	32.00
NG tube	28.00
Chem 7	40.50
Gram stain and culture of cervix	65.50
Amylase	34.50
CBC	34.50
Beta-HCG	41.00
Culdocentesis	13.00
CBC	34.50
Penicillin (per day)	3.45
IVP	338.00
Laparotomy	3100.00-3300.00
Demerol (per 100 mg dose)	0.37
Triple antibiotics (3 days) and NG tube	89.79
Ancef (per day)	8.08
Staple remover	14.50
Exploratory laparotomy	2200.00-2500.00
Initiation of TPN	
Central venous line, x-ray	129.00
TPN solution (per liter)	79.00
Pump (per day)	27.00
CT of abdomen	659.50
Transrectal needle aspiration	13.00

PMP #2, p. 17-70

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
Chem 7	40.50
Abdominal films	159.50
Chest x-ray	94.00
UA	21.50

Upper GI series	176.00
Upper GI series with Gastrografin	273.50
NG tube	28.00
5% Dextrose and NS (per liter)	32.00
5% Dextrose with 1/3 NS (per liter)	32.00
Foley catheter	44.50
Insertion of long intestinal tube	Not available
Observation in hospital (per day)	260.00
5% Dextrose with 1/3 NS (per liter)	32.00
5% Dextrose and water (per liter)	32.00
IV fluids with KCL (per liter)	32.00
5% Dextrose with 1/4 NS	32.00
Chem 7	40.50
Type and cross for 4 units of blood	43.50
Antibiotics (1 g of IV Ancef)	2.02
Exploratory laparotomy and relief of small bowel obstruction	2600.00-2800.00
Upper GI series	176.00
Barium enema	181.50
IVP	338.00

PMP #3, p. 17-77

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
Sed rate	18.50
UA	21.50
Proctosigmoidoscopy	253.50
Barium enema with air contrast	225.00
Double contrast barium study of upper GI tract and small bowel	229.50
Chem 7	40.50
Supine abdominal film	95.50
CT of abdomen and pelvis	1182.50
Exploratory laparotomy	2200.00-2500.00
IVP	338.00

Blood, ova, parasites: stool	58.00
Esophagogastroduodenoscopy	488.50
Serum albumin and total protein	44.00
Colonoscopy and biopsy	658.50
Azulfidine (per day)	1.20
Prednisone (10 mg/10 mL)	0.35
Initiation of TPN	
Central venous line, x-ray	129.00
TPN solution (per liter)	79.00
Pump (per day)	27.00
Lomotil (20 mg)	Not available. (I could not Lomotil or diphenoxylate on the price list.)
Oral codeine (60 mg tablet)	0.20
Bowel resection	5000.00-6000.00
Continued Azulfidine (per day)	1.20
Prednisone (20 mg tablet)	0.02
Resection of perirectal fistula	1900.00-2200.00
Initiation of TPN	
Central venous line	129.00
TPN solution (per liter)	79.00
Pump (per day)	27.00
Small bowel resection	5000.00-6000.00
CBC	34.50
Albumin and total protein	44.00
Double contrast barium study of upper GI tract and small bowel	229.50
Barium enema with contrast	225.00
IVP	338.00
Colonoscopy	589.50
CT of abdomen and pelvis	1182.50
Triple antibiotics (3 days)	61.79
Aspiration and culture (CT guidance)	608.00
TPN (per liter)	79.00
Prednisone (20 mg tablet)	0.02
Enteroclysis	327.00
Laparotomy and bowel resection	5000.00-6000.00
CT of abdomen	659.50
Percutaneous drainage of suspected abscess (CT or ultrasound guidance)	555.00
Amikacin, Flagyl, Ancef (5 days)	371.63

PMP #1, p. 18-87

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Chem 7	\$ 40.50
UA	21.50
CBC	34.50
Amylase	34.50
Liver function tests	25.00
Chest and abdominal x-rays	253.50
CT of abdomen	659.50
Sigmoidoscopy	253.50
Barium enema	181.50
Barium upper GI series	176.00
IVP	338.00
Tylox (50 capsules)	4.00
Keflex (1 week course)	45.36
Triple IV antibiotics (5 day course)	101.23
Inferior mesenteric angiography	1002.50
Demerol (per 100 mg IM dose)	0.37
Cimetidine and antacids (per month)	115.00
Tylox (50 capsules)	4.00
Laparotomy	2200.00-2500.00
Keflex (1 week course)	45.36
Demerol (per 100 mg IM dose)	0.37
Triple IV antibiotics (5 day course)	101.23
Triple IV antibiotics (5 day course) and sigmoid colectomy	7000.00-8000.00

PMP #2, p. 18-93

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
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CBC	\$ 34.50
Liver function tests	25.00
Amylase	34.50
Chem 7	40.50
UA	21.50
Chest and abdominal x-rays	253.50
Labelled RBC scan	358.5
Celiac, superior mesenteric, and inferior mesenteric angiography	1053.5
CT of abdomen	659.50
Air contrast barium enema	225.50
Sigmoidoscopy	253.50
Colonoscopy	589.50
Upper GI endoscopy	488.50
Barium upper GI series	176.00
Enteroclysis	0.00
Rectosigmoid resection	7000.00-8000.00
Hemorrhoidectomy	1900.00-2300.00
Gluconate tablets and hematocrit	19.500000
H2 blocker (cimetidine) and antacids (per month)	115.00
2 units packed RBCs	169.00
Rectal suppositories, stool softeners, anesthetic ointment (per month)	20.00-30.00
Hemorrhoidectomy	1900.00-2300.00
Rectosigmoid resection	7000.00-8000.00
2 enemas	0.00
Initiation of TPN	
Central venous line, x-ray	129.00
TPN solution (per liter)	79.00
Pump (per day)	27.00
Oral antibiotics	0.00
CT of abdomen	659.50
CEA level	56.50

PMP #1, p. 19-70

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
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CBC	\$ 34.50
UA	21.00
Chest x-ray	94.00
Abdominal x-rays	159.50
EKG	65.00
Sigmoidoscopy	253.50
CT of abdomen	659.50
Celiac and superior mesenteric arteriogram	1053.50
Liver function studies	25.00
Liver-spleen scan	247.00
Hepatobiliary scan	410.50
Upper GI series	176.00
Ultrasound of gall bladder and bile ducts	129.50
PT, PTT	40.00
IVP	338.00
ERCP	556.50
Antacids and cimetidine (per month)	115.00
Antireflux operation	3600.00-4500.00
Cholecystectomy	3300.00-3600.00
Right hepatic lobectomy	4200.00-4500.00
Chenodeoxycholic acid	0.00

PMP #2, p. 19-75

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
NG tube/ hematest	\$ 45.00
IV fluids (per liter)	32.00
Proctoscopy	253.50
Foley catheter	44.50
Gastroduodenoscopy	488.50
Cefazolin (5 day course)	30.30
CBC	34.50
UA	21.50
Chest x-ray	94.00
Abdominal x-rays	159.50
Ethanol level	39.00

Amylase	34.50
Liver function tests	25.00
PT, PTT	40.00
Oral cholecystogram	224.50
Chem 7	40.50
Ultrasound of gall bladder and bile ducts	129.50
Upper GI series	176.00
Liver-spleen scan	247.00
CT of abdomen	659.50
Hepatobiliary scan	410.50
IV cholangiogram	328.00
PTCA (CT guidance)	578.00
Arteriogram with venous phase	1280.50
ERCP	556.50
Liver biopsy	187.50
IV cimetidine (per day) and 3 CBCs	114.06
Exploratory laparotomy	2200.00-2500.00
Elective cholecystectomy	3300.00-3600.00
Cholecystectomy	3300.00-3600.00

PMP #3, p. 19-80

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
IV fluids (per liter)	\$ 32.00
IV fluids (per liter)	32.00
CVP catheter	151.50
Foley catheter	44.50
Blood cultures	71.50
Tylenol suppositories (each)	0.16
Triple IV antibiotics (5 day course)	101.23
Dextran (1 liter)	23.72
2 units salt-poor albumin	400.00
NG tube	28.00
CBC	34.50
Blood glucose	26.50
Amylase	34.50

BUN and creatinine	40.50
Liver function tests	25.00
Serum cholesterol and triglycerides	60.50
Chem 7	40.50
Mg ²⁺	39.00
PT, PTT	40.00
UA	21.50
Urine culture	53.00
24-hour urine creatinine clearance	44.50
EKG	65.00
EEG	159.00
Peritoneal lavage	128.50
IV fluids (per liter)	32.00
IV fluids (per liter)	32.00
1 unit FFP	84.50
25 mg Vitamin K	4.19
10 U insulin	0.62
20 mg IV Lasix	0.20
Chest x-ray	94.00
Abdominal x-rays	159.50
Ultrasound of gall bladder and bile ducts	129.50
CT of abdomen	659.50
Liver-spleen scan	247.00
CT of head	659.50
IV cholangiogram	328.00
PTCA	578.00
ERCP	556.50
Celiac, superior mesenteric, and inferior mesenteric arteriogram	1053.50
Liver biopsy	187.50
Oral cholecystogram	224.50
Cholecystectomy and drainage of common bile duct	3500.00-3800.00
Cholecystectomy	3300.00-3600.00
Pancreatic resection	5000.00-5500.00
Drainage of pancreatic ductal system	3500.00-4000.00
IV fluids (per liter)	32.00

PMP #1, p. 20-43

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
PT	20.00
PTT	20.00
Liver function tests, Chem 7	65.50
Chest x-ray	94.00
Skull films	76.50
EKG	65.50
Ultrasound of abdomen	317.50
Abdominal aortogram	1053.50
Oral cholecystogram	224.50
Barium enema	181.50
Upper GI series	176.00
Amylase	34.50
Lipase	32.50
Ethanol level	39.00
Sputum culture	53.00
Urine culture	53.00
Urine amylase	34.50
Abdominal x-ray	159.50
SGOT	21.50
SGPT	21.50
Morphine (10 mg IV)	0.26
Foley catheter	44.50
IV fluids (per liter)	32.00
IV antibiotics	0.00
ERCP	556.50
Exploratory laparotomy	2200.00-2500.00
Needle biopsy of pancreas (CT guidance)	741.00
NG tube	28.00
Peritoneal lavage	128.50
Abdominal x-rays	159.50
Amylase	34.50
Upper GI series	176.00
IVP	338.00
Ultrasound of abdomen	317.50
Liver-spleen scan	247.00

PTCA	578.00
Laparotomy	2400.00-2700.00
Needle aspiration of cyst (CT guidance)	555.00
Initiation of TPN	
Cental venous line, x-ray	129.00
TPN solution (per liter)	79.00
Pump (per day)	27.00
Cholecystectomy and exploration of common bile duct	3500.00-3800.00
Pancreatectomy	5000.00-5500.00
ERCP	556.50

PMP #2, p. 20-50

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
UA	21.50
Skull x-ray	76.50
Chest x-ray	94.00
Bilirubin, total	21.50
Bilirubin, direct	32.00
Amylase	34.50
Carotene	50.50
Alkaline phosphatase	27.00
LDH	35.50
SGOT	21.50
Stool, guaic	19.00
Uric acid	27.00
Ca 2+	21.50
BUN	22.50
AFP	105.50
Pulmonary function tests	94.00
Ultrasound of abdomen	317.50
ABG	84.00
Oral cholecystogram	224.50
CT of abdomen	659.50
CT of head	659.50
IVP	338.00

Bone scan	329.00
Bone marrow aspiration	243.50
Upper GI series	176.00
Barium enema	181.50
Wedge biopsy of liver and splenectomy	3600.00-3900.00
Vagotomy and pyloroplasty	4000.00-5000.00
Whipple procedure	7000.00-8500.00
Biliary drainage and choledochojejunostomy	4400.00-4800.00
Open/close with postoperative irradiation (5000 rads)	5100.00-5400.00
Gastrojejunostomy	3000.00-3200.00
Open/close with postoperative chemotherapy (8 week course of 5-fluorouracil, doxorubicin, and mitomycin C)	2800.00-3100.00
Chemical splanchnicetomy	2200.00-2500.00

PMP #1, p. 21-56

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Bilateral mammograms	\$ 96.50
Chest x-ray	94.00
Bone scan/liver scan	739.50
Breast biopsy (local or general anesthesia)	1100.00-2100.00
Breast biopsy (local or general anesthesia)	1100.00-2100.00
Breast biopsy (local anesthesia)	1100.00-1300.00
Permanent section	42.00
Frozen section	50.00
Chest x-ray, Chem 13, liver function tests	164.00
Bone scan/liver scan	739.50
Modified radical mastectomy	3400.00-3600.00

Segmental mastectomy, axillary dissection, and radiation (3000 rads)	5200.00-5500.00
Modified radical mastectomy	3400.00-3600.00
Estrogen and progesterone receptors	476.50
Neoadjuvant chemotherapy (CMF, 4 week course))	91.56
Adjuvant chemotherapy (CMF, 4 week course)	91.56
Chest x-ray and liver function tests	119.00
Mammograms	96.50
Bone scan and liver scan	739.50
Breast biopsy and estrogen/progesterone receptor evaluation	1600.00-1800.00
Chest x-ray, bone scan, and liver scan	833.50
Chemotherapy (CMF, 4 week course)	91.56
Oophorectomy	
with radiation (3000 rads)	5400.00-5700.00
without radiation	3800.00-4000.00
Chest x-ray and liver function tests	119.00
Combination chemotherapy	
CMF (4 week course)	91.56
AC (3 week course)	281.63
Tamoxifen and chemotherapy (AC, 3 week course)	348.00

PMP #2, p. 21-60

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Chest x-ray	\$ 94.00
Mammograms	96.50
Biopsy/partial mastectomy	2800.00-3000.00

Mammograms	96.50
Mammographically-directed needle localization	190.50
Localized biopsy	1100.00-1300.00

PMP #3, p. 21-62

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
Chem 7	40.50
Liver function tests, Ca^{2+} , PO_4^{3-} , Mg^{2+}	109.00
Glucose, urine	25.00
Chest x-ray and EKG	159.00
Excretory urogram	236.50
Plasma renin activity	85.50
Serum aldosterone	133.50
Serum K^+	22.50
Saline loading test	
Saline (per liter)	32.00
Serum aldosterone and plasma renin activity	350.00
24-hour urine for VMA, catecholamines, and metanephrines	281.00
Dexamethasone suppression test	315.23
24-hour urine for 17- hydroxycorticosterone	87.00
24-hour urine for 17- ketosteroids	53.00
Plasma cortisol and ACTH	241.00
24-hour urine for aldosterone	133.50
Provocative histamine tests to increase blood pressure	
Histamine, .55 mg/mL, 5 mL	2.31
CT of head	659.50
Arteriography	1053.50
CT of abdomen and chest	1182.50
Selective phlebography	654.50

Retroperitoneal air insufflation	1800.00-2000.00
I ¹³¹ -19-iodocholesterol scan	899.00
8 mg dexamethasone test	315.92
Metyrapone test	185.00
Adrenalectomy	3100.00-3300.00
Saline infusion (per liter)	32.00
Spironolactone (3 weeks)	13.44
Phenoxybenzamine (per month)	27.90

PMP #4, p. 21-66

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
Chem 7	40.50
Liver function tests, MG ²⁺ , PO ₄ ³⁻ , Ca ²⁺	109.00
Glucose, urine	25.00
Chest x-ray	94.00
EKG	65.00
Excretory urogram	236.50
Plasma renin and serum aldosterone	219.00
Serum K ⁺	22.50
Saline loading test	
Saline (per liter)	32.00
Serum aldosterone and plasma renin activity	350.00
24-hour urine for VMA, catecholamines, and metanephrine	281.00
Dexamethasone suppression test	315.23
24-hour urine for 17- hydroxycorticosterone	87.00
24-hour urine for 17- ketosteroids	53.00
Plasma cortisol	65.00
T3, T4, TSH	90.50
Adrenolytic test	Not available

Provocative (histamine) test	2.31
Histamine, 5mg/mL, 5mL	
CT of abdomen, chest and neck	1182.50
CT of head	659.50
Arteriography	1053.50
Phlebography	654.50
Retroperitoneal air insufflation	1800.00-2000.00
I ¹³¹ -19-iodocholesterol scan	899.00
MIBG scan	Not available
Dexamethasone test	315.92
Metyrapone test	185.00
Bilateral adrenalectomy	3100.00-3300.00
Left adrenalectomy, with preoperative saline infusion	3300.00-3500.00
Spironolactone therapy (3 weeks)	13.44
2 units of whole blood	169.00
Left adrenalectomy, with preoperative phenoxybenzamine	3100.00-3300.00
Beta-adrenergic blockers (propranolol, 60 mg tablet)	0.05
Cortisone (20 mg tablet)	0.03
Metyrapone (250 mg tablet) and aminogluthethimide (250 mg tablet)	1.61 and 0.66, respectively
Treatment with o,p'D'D'D'	Not available
Daily cortisone (per month)	15.35

PMP #5, p. 21-70

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
Chem 7	40.50
Liver enzymes, Ca ²⁺ , Mg ²⁺ , PO ₄ ³⁻	109.00
Glucose, urine	25.00
Chest x-ray, EKG	159.00
Excretory urogram	236.50
Plasma renin and serum aldosterone	219.00

Serum K ⁺	22.50
Saline loading test	
Saline (per liter)	32.00
Serum aldosterone and	350.00
plasma renin activity	
24-hour urine for VMA,	281.00
catecholamine, and	
metanephrines	
Dexamethasone suppression test	315.23
24-hour urine for cortisol	90.00
24-hour urine for 17-	53.00
ketosteroids	
CT of abdomen	659.50
CT of chest	659.50
Provocative tests to increase	
blood pressure	
Histamine, 5 mg/mL, 5mL	2.31
CT of head	659.50
Arteriography (renal and	1470.50
adrenal)	
Selective phlebography	654.50
Retroperitoneal air insufflation	1800.00-2000.00
I ¹³¹ -19-iodocholesterol scan	899.00
8 mg dexamethasone test	315.92
Metyrapone test	185.00
Bilateral adrenalectomy	3100.00-3300.00
Saline infusion (per liter)	32.00
Aminogluthethimide (250 mg	0.66
tablet)	
Aminogluthethimide, instead of	79.20
surgery (per month)	
o,p'D'D'D'	Not available
Cortisone (20 mg tablet)	0.03
Hypophysectomy	4500.00-5500.00
Bilateral adrenalectomy	3100.00-3300.00
Cortisone (per month)	15.35

PMP #1, p. 22-55

PROCEDURE/TREATMENT/TEST APPROXIMATE COST

Ca ²⁺ , PO ₄ ³⁻	\$ 45.00
PTH	193.50
Serum gastrin	77.00
Plasma calcitonin	58.50
24-hour urine for metanephrine, VMA, and catecholamines	281.00
24-hour urinary Ca ²⁺	39.00
Sella turcica x-rays	90.00
Ultrasound of thyroid	106.00
IVP	338.00
Chest x-ray	94.00
Total adrenalectomy	3100.00-3300.00
Parathyroidectomy with autograft	4600.00-4800.00
Removal of pituitary tumor	4500.00-5500.00
H ₂ -blockers (cimetidine, per month)	45.60
Total thyroidectomy	3300.00-3600.00
Pituitary irradiation (4000 rads)	2300.00
Parathyroidectomy	3800.00-4000.00
Localization studies to identify gastrinoma	Not available

PMP #1, p. 23-32

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CVP catheter	\$ 151.50
Hypertonic saline (per liter)	32.00
RL (per liter)	32.00
1 unit whole blood	84.50
Foley catheter	44.50
NG tube	28.00
Emergency arteriogram	1053.50
Emergency shunt surgery	4000.00-4500.00
Upper endoscopy	488.50
Pitressin (20 U/mL, 1 mL)	6.92
Blakemore tube	Not available
Liver function tests	25.00

WBC count	15.00
Serum NH3	45.00
Lactulose enemas (each)	1.99
Serum albumin	21.50
Barium enema	181.50
Lumbar puncture	88.00
CT of abdomen	659.50
Gram stain and culture of ascites (CT or ultrasound guidance)	608.00
Liver biopsy	187.50
Visceral angiography	1009.50
Barium enema	181.50
Platelet count	15.00
AFP	105.50
Ultrasound of abdomen	317.50
Serum NH3	45.00
Liver-spleen scan	247.00
Upper endoscopy	488.50
Surgery--inspect and revise shunt	3300.00-3700.00
Inferior venacavagram	834.50
Liver biopsy	187.50
Blakemore balloon placement	Not available
Platelet count	15.00
1 unit packed RBCs	84.50
Antacids	
Maalox (per tablet)	0.04
Gaviscon (per bottle)	4.32

PMP #2, p. 23-38

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
Serum iron and total iron binding capacity	59.50
Bone marrow aspiration	243.50
Serum B12, serum folate	130.00
Aortogram	1053.50
Flexible sigmoidoscopy	253.50

Colonoscopy	589.50
Barium enema	181.50
Upper GI series	176.00
Gastroduodenoscopy	488.50
IVP	338.00
CT of abdomen	659.50
CEA antigen	56.50
Bone scan	329.00
CT of chest	659.50
Left hemicolectomy	5000.00-6500.00
Fulgeration of rectal mass	Not available
Ileoanal pullthrough	7000.00-8000.00???
Sigmoid resection with end sigmoid colostomy	5000.00-6000.00???
Two stage colon resection with initial transverse colostomy	9500.00-10,000.00
Upper GI series	176.00
CBC	34.50
Sigmoidoscopy	253.50
Colonoscopy	589.50
Barium enema	181.50
CEA antigen	56.50
CT of abdomen	659.50
Lung tomography	350.00
Systemic chemotherapy with 5-fluorouracil (per week)	0.98
Hepatic artery catheter placement with 5-fluorouracil infusion	
Infusaid pump and surgical implantation	12,500.00-12,800.00
5-Fluorouracil (3 week course)	97.00
Resection of colonic suture line	2600.00-3000.00
Liver resection	4000.00-4300.00

PMP #1, p. 24-40

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
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RL (per liter)	\$ 32.00
D5W (per liter)	32.00
Chest x-ray	94.00
CBC	34.50
UA	21.50
Liver function tests	25.00
BUN and creatinine	40.50
Lateral C-spine x-ray	49.00
Establish second IV and infuse RL	38.50
NG tube	28.00
Orthopedic consult	100.00
Placement of chest tube	218.00
Type and crossmatch blood	43.50
CT of abdomen	659.50
Peritoneal lavage	128.50
Liver-spleen scan	247.00
Ultrasound of abdomen	317.50
Insertion of chest tube	218.00
Aortic arch arteriogram	1164.50
Thoracotomy	3300.00-3600.00
Observation in Surgical Intensive Care Unit (per day)	785.00
Emergency laparotomy	4600.00-4800.00
Polyvalent pneumococcal polysaccharide vaccine	8.21
Technetium 99m sulfur colloid scan	247.00
CT of abdomen	659.50
Chest x-ray	94.00
Platelet count (4 times)	60.00
Cephalosporin (10 days)	43.00
Penicillin (10 days)	2.10

PMP #2, p. 24-45

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
UA	21.50

C-spine x-ray	49.00
Establishment of IV line and infusion of 1 L RL	38.50
Aortic arch arteriogram	1164.50
Establishment of IV line and infusion of 1 L D5W	38.50
Selective arteriography	1053.50
Insertion of thoracostomy tube	218.00
Technetium 99m sulfur colloid scan	247.00
CT of abdomen	659.50
Ultrasound of abdomen	317.50
Emergency laparotomy	2200.00-2500.00
2 units packed RBCs	169.00
Observation on pediatric ward (per day)	257.00
Observation in Intensive Care Unit (per day)	785.00
Selective arteriogram	1053.50
CT of abdomen	659.50
Selective arteriogram	1053.50
CT of abdomen	659.50
2 units packed RBCs	169.00
Peritoneal lavage	128.50
Technetium 99m sulfur colloid scan	247.00
Emergency laparotomy and hemisplenectomy	4100.00-4400.00
Upper GI series	176.00
Polyvalent pneumococcal polysaccharide vaccine	8.21
Penicillin (10 days)	2.10
Ceclor (10 days)	43.00
CT of abdomen	659.50
Technetium 99m sulfur colloid scan	247.00

PMP #3, p. 24-50

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
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CBC	\$ 34.50
PT	20.00
Platelet count	15.00
Punch biopsy of skin lesion	164.00
PTT	20.00
UA	21.50
Sed rate	18.50
Ultrasound of pelvis	124.50
Prednisone (20 mg tablet)	0.03
D&C	1800.00-2100.00
Splenectomy	3300.00-3600.00
Vincristine (per week)	31.68
10 units of platelets	845.00
Hematocrit	19.50
Platelet count	15.00
Venogram of left leg	517.50
Platelet transfusion	84.50
Liver-spleen scan	247.00
Bone marrow aspiration	243.50
Prednisone (per month)	0.56
Vincristine (per week)	31.68
Cyclophosphamide (per week)	18.86
Azothiaprine (per week)	4.20
Platelet transfusion	84.50
Splenectomy	3300.00-3600.00
Platelet transfusion	84.50
Increased prednisone (per month)	1.12
Vincristine (per week)	31.68
Cyclophosphamide (per week)	18.86
Azothiaprine (per week)	4.20
Splenectomy	3300.00-3600.00

PMP #4, p. 24-54

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Lymphangiography	\$ 1056.00
Thyroid scan	231.00

Chest x-ray	94.00
Lymphangiography	1056.00
Cervical lymph node biopsy	1800.00-2000.00
Inguinal lymph node biopsy	1800.00-2000.00
Penicillin (10 day course)	2.10
Staging laparotomy	4400.00-4800.00
Thyroid scan	231.00
Bone marrow aspiration and biopsy	243.50
CT of chest	659.50
CT of abdomen	659.50
Liver function tests	25.00
Barium enema	181.50
Thyroid function studies	60.00
67-Gallium scan	492.50
Lymphangiography	492.50
Thyroid scan	231.00
Radiation therapy (4000 rads)	2300.00
MOPP (4 week course)	119.90
Surgery	4400.00-4800.00
Adriamycin (3 week course)	423.28
Radioactive iodine (100 mCi)	647.00
Polyvalent pneumococcal vaccine	8.21
Splenectomy	3300.00-3600.00
Splenectomy and liver biopsy	4000.00-4300.00
Splenectomy, biopsy of both lobes of liver, and lymph node sampling	4800.00-5100.00
Lymph node sampling from periaortic region	2000.00-2300.00
Radical lymphadenectomy	4300.00-4600.00
Radiation therapy (4000 rads)	2300.00
Radiation therapy and MOPP (4000 rads and 4 week course, respectively)	2420.00
Radiation therapy and Adriamycin (4000 rads and 3 week course, respectively)	2723.00
Adriamycin (3 week course)	423.28

PMP #1, p. 25-85

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CBC	\$ 34.50
Chem 7	40.50
Noninvasive lab studies	602.00
Angiogram	1090.00
Surgery	2700.00-3000.00
Heparin drip	29.85
Urokinase or streptokinase (250,000 U)	197.70 and 36.93, respectively
Coumadin (10mg)	0.06
Femoral artery thromboembolectomy	2700.00-3000.00
Femoral artery endarterectomy	3400.00-3700.00
Femoropopliteal by-pass	3900.00-5100.00
Femorofemoral by-pass	4500.00-5700.00
Fasciotomy (in addition to cost of thromboembolectomy)	934.50
CBC	34.50
Chem 7	40.50
UA	21.50
Angiogram	894.50
Serum CPK	45.50
Heparin drip	29.85
Coumadin (per month)	0.84
Cardiac evaluation with ECHO	324.00

PMP #2, p. 25-90

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Duplex scan of carotid arteries	\$ 88.00
Aortic arch and carotid angiogram	948.00
CT of head	659.50
MRI of head	1224.00
Carotid endarterectomy	3400.00-3700.00
Aspirin (per month)	0.60

Carotid balloon angioplasty	1056.50
Persantine (per month)	7.20
Duplex scan of carotid arteries	188.00
CT of head	659.50
MRI of head	1224.00
Aortic arch and carotid angiogram	948.00
Aortogram with runoff of left leg arteries	1053.50
Aspirin (per month)	0.60
Extracranial to intracranial carotid artery bypass	4300.00-4700.00
Coumadin (per month)	0.84
Right carotid endarterectomy	3400.00-3700.00
Balloon angioplasty of right carotid artery	1056.50
Left carotid endarterectomy	3400.00-3700.00

PMP #3, p. 25-94

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Noninvasive venous testing	\$ 150.00
Venogram	692.00
Serum iron and iron binding capacity	59.50
Platelet count, PT/PTT	55.00
Lung scan	575.50
Heparin drip	29.85
Compression boots	Not available
Heparin (per day)	0.44
Coumadin (per week)	0.21
Intraoperative compression boots	Not available
Chest x-ray	94.00
Lung scan	575.50
EKG	65.00
Pulmonary angiogram	1053.00
Noninvasive venous studies	150.00
Venogram	692.00

Fibrinogen scan of legs	573.50
Descending phlebogram	692.00
ABG	84.00
Heparin (per day)	0.44
Coumadin (per week)	0.21
Pulmonary embolectomy	7500.00-7900.00
Umbrella filter	3000.00-3300.00
Coumadin (per month)	0.84
Heparin (per month)	13.20
Aspirin (per month)	0.60
Umbrella filter	3000.00-3300.00
Urokinase or streptokinase (250,000 U)	197.70 and 36.93, respectively
Femoral embolectomy	2700.00-3000.00
Continued heparin/coumadin (per month)	14.04
Pulmonary embolectomy	7500.00-7900.00
Heparin (per month)	13.20
Vena caval filter	3000.00-3300.00
Coumadin (per month)	0.84
Streptokinase or urokinase (250,000 U)	36.93 and 197.70, respectively

PMP #1, p. 26-49

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Azathioprine and diphenhydramine HCL (per month)	\$ 128.40
Cyclosporine and prednisone (per month)	864.80
Thoracic duct drainage	1300.00-1500.00
Total body irradiation and cyclophosphamide (per month)	0+159.73 (I thought you would be able to do this more quickly than me, since I do not know what dose of radiation to charge for. I used \$115.00 as the cost per radiotherapy session.)

Dipyridamole and prednisone (per month)	5.64
Graft radiation and cyclosporine (per month)	0+863.00 (Same as above; I do not know the appropriate dose of radiation.)
Total body irradiation	0
Splenectomy and graft irradiation	3400.00-3700.00 + 0
Methylprednisone sodium succinate (1 g)	7.52
Thoracic duct drainage	1300.00-1500.00
Graft irradiation and cyclophosphamide (per month)	0+159.73

PMP #2, p. 26-52

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
EEG	\$ 159.00
Neurology consult	100.00
HLA typing	748.00
EEG	159.00
Drug screen (blood)	146.50
CT of head	659.50
CBC	34.50
Liver enzymes and bilirubin	57.00
Electrolytes	40.50
BUN and creatinine	40.50
HAA	24.50
Urine culture	53.00
Serum HIV	44.50
Carcinoembryonic antigen	56.50
Sputum culture	53.00
MLC	747.50
Blood cultures	71.50
RPR	19.50
HLA typing	748.00
ABO typing	18.50
Aramine IV	Not available

Dopamine IV	
400 mg/5 mL	0.29
Drip	27.89
D5 1/2 NS IV (per liter)	32.00
Solumedrol (2 g IV)	15.04
Mannitol IV (25% in 50 mL) and	0.47 and 5.08, respectively
Lasix (10 mg/mL, 60 mL)	
Pitressin IV (20 U/mL, 1mL)	6.92
IV fluids (per liter)	32.00
IV fluids (per liter)	32.00
Change IVs to RL with 10 mEq	32.00
KCL/L (per liter)	
Change IVs to 1/2 NS with 20	32.00
mEq KCL/L (per liter)	

PMP #3, p. 26-63

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
CT of abdomen	\$ 659.50
Angiogram of renal arteries	1243.50
HLA and ABO typing	766.50
Urine culture, sputum culture, and VCUG	342.50
Antinuclear antibody	192.00
Sed rate	18.50
HLA typing of family	3740.00
OKT4/OKT8 ratio	303.00
ABO typing of family	111.00
PRA to cell panel	337.00
DNCB stimulation test with family members	Not available
Microcytotoxicity crossmatch with relative	741.00

PMP #1, p. 27-57

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Needle biopsy of lesion	\$ 100.00
Excisional biopsy of lesion	1600.00-1800.00
Incisional biopsy of lesion under local anesthesia	116.00
Chest x-ray	94.00
CBC and Chem 12	79.50
Chest x-ray	94.00
CT of chest	659.50
Radiotherapy consult	100.00
Bone scan	329.00
CT of upper abdomen	659.50
Wide excision and split thickness skin graft	3000.00-3400.00
Excision and primary closure	1600.00-1800.00
Cryosurgery	1600.00-1800.00

PMP #2, p. 27-59

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Cervical and supraclavicular node biopsy	\$ 1900.00-2100.00
Incisional biopsy of lesion	116.00
CT of chest and abdomen	1182.50
CT of head	659.50
Radiation therapy	
Oncology consult	100.00
Chest x-ray	94.00
CBC	34.50
Neurology consult	100.00
Wide surgical excision	3000.00-3400.00
Surgical excision and cervical node dissection	4500.00-4900.00
Deep surgical excision	3000.00-3400.00
Removal of lesion with electrodesiccation and curettage	2000.00-2500.00

PMP #3, p. 27-62

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Excisional biopsy	\$ 1600.00-1800.00
Incisional biopsy under local anesthesia	116.00
Chest x-ray	94.00
CT of abdomen	659.50
Radiotherapy consult	100.00
Bone scan	329.00
Chest x-ray	94.00
Biopsy of cervical node	1900.00-2100.00
Wide excision of lesion and submandibular node resection	3700.00-4000.00
V-lip excision under local anesthesia	1100.00-1300.00
Liver function tests	25.00
CT of head and neck	659.50
Upper neck dissection	4000.00-4300.00

PMP #2, p. 28-55

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Serum electrophoresis	\$ 49.50
Bone marrow aspiration	243.50
Excisional biopsy of one lesion	1600.00-1800.00
Aspiration of lesion, with culture	53.00
Radiation therapy	I do not know the appropriate radiation dose for Kaposi's sarcoma. Radiotherapy is about \$575.00/1000 rads.
Excision of all apparent nodules	2000.00-2500.00
Actinomycin D (2 mg IV/week)	29.48

PMP #1, p. 28-52

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
X-ray of right thigh	\$ 56.50
Large needle biopsy of mass	106.00
Fine needle aspiration of mass	100.00
Incisional biopsy of mass under local anesthesia	116.00
Chest x-ray	94.00
CT of thigh	634.50
Biopsy of ipsilateral inguinal or femoral node	1900.00-2100.00
Liver scan	247.00
Wide local excision	3000.00-3400.00
Radiation therapy (7000 rads)	4025.00
Chemotherapy (doxorubicin, 3 week course)	423.28
Wide local excision and femoral/inguinal node dissection	4500.00-4900.00

PMP #4, p. 28-66

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Excisional biopsy of lesion	\$ 1600.00-1800.00
Incisional biopsy of lesion	116.00
Chest x-ray	94.00
CBC, Chem 12	79.50
Bone scan	329.00
CT of upper abdomen	659.50
Biopsy of one left cervical node	1900.00-2100.00
Chest x-ray	94.00
CT of abdomen	659.50
Liver function tests	25.00
CBC	34.50
Wide excision of primary lesion	3000.00-3400.00
Biopsy of left cervical node	1900.00-2100.00
Peritoneoscopy	1900.00-2100.00

Chemotherapy (dacarbazine and dactinomycin, 3 week course)	56.87
Radiotherapy consult	100.00
Biopsy of left cervical node	1900.00-2100.00
Wide excision of primary lesion	3000.00-3400.00
Wide excision of lesion and left neck dissection	4000.00-4300.00
Wide excision of lesion, left neck dissection, and radiotherapy	
CT of abdomen	659.50
CT of head	659.50
CEA	56.50
Liver function tests	25.00
Bone scan	329.00
Chest x-ray	94.00
Bone marrow aspiration	243.50
CBC	34.50
Liver function tests	25.00
Chest x-ray	94.00
Total body CT	2752.00
Excisional biopsy of lesion	1600.00-1800.00?
Amputation below elbow	2600.00-2800.00
Radiotherapy to wrist	Again, I do not know the appropriate dose here. UT charges \$575.00/1000
Total body CT	2752.00

PMP #5, p. 28-71

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Biopsy of right popliteal nodes	\$ 1900.00-2100.00
Incisional biopsy of lesion	116.00
Biopsy of right inguinal nodes	1900.00-2100.00
Excisional biopsy	1600.00-1800.00
CT of abdomen	659.50
Inguinal node dissection	3000.00-3200.00
Popliteal node dissection	3000.00-3200.00
Chest x-ray	94.00
CBC	34.50

CT of abdomen	659.50
Liver function tests	25.00
Bone scan	329.00
Neurology consult	100.00
Wide excision of lesion	3000.00-3400.00
Wide excision of lesion and inguinal node dissection	4500.00-4900.00
Wide excision of lesion	3000.00-3400.00
Wide excision of lesion, with popliteal and inguinal node dissection	4500.00-4900.00
Right below-the-knee amputation	2600.00-2800.00
CBC	34.50
CT of abdomen	659.50
Chest x-ray	94.00
CT of head	659.50
Liver function tests	25.00
Oncology consult	100.00

PMP #6, p. 28-75

PROCEDURE/TREATMENT/TEST	APPROXIMATE COST
Incisional biopsy of lesion under digital block	\$ 1300.00-1600.00
X-ray of finger	57.50
Amputation of distal phalanx of finger	1600.00-1800.00
CBC, chest x-ray, liver function tests	153.50
Wide excision of lesion and epitrochlear node dissection	4500.00-4900.00
Amputation below elbow	2600.00-2800.00
Wide excision of lesion and axillary node dissection	4500.00-4900.00
Amputation of finger	1600.00-1800.00
Total body CT	2752.00
CBC, liver function tests, chest x-ray	153.50

CT of head	659.50
Radiotherapy consult	100.00
Left axillary node dissection	3000.00-3200.00
Chemotherapy consult	100.00
Shoulder disarticulation	2600.00-2800.00

